

MJN

Notice of Allowability

Application No.	Applicant(s)
10/765,675	AMER-YAHIA ET AL.
Examiner	Art Unit
Leon J. Harper	2166

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. This communication is responsive to 8/20/2007.
2. The allowed claim(s) is/are 4-7, 14, 15, 18, 19 (renumbered as 1-8).
3. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) All
 - b) Some*
 - c) None of the:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) hereto or 2) to Paper No./Mail Date _____.
 - (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. Notice of References Cited (PTO-892)
2. Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date 1/27/2004
4. Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. Notice of Informal Patent Application
6. Interview Summary (PTO-413),
Paper No./Mail Date _____.
7. Examiner's Amendment/Comment
8. Examiner's Statement of Reasons for Allowance
9. Other _____.

Hosain Alam

HOSAIN ALAM
SUPERVISORY PATENT EXAMINER

DETAILED ACTION

1. This communication is in response to the amendment filed 8/20/2007. After a search and thorough examination of the present application and in light of the prior art made of record, claims 4-7,14,15,18,19(renumbered as 1-8) are allowed.

Reason for allowance

2. The prior art made of record does not teach or fairly suggest A method of searching a document having nested-structure document-specific markup, the method comprising: receiving a query that designates at least (A) a phrase to be matched in a phrase matching process, and (B) a selective designation of at least a tag or annotation that is to be ignored during the phrase matching process; deriving query-specific indices based on query-independent indices that were created specific to each document, wherein the step of deriving the query- specific indices includes forming at least one of a group including: an index of each word in the phrase to be matched by the phrase matching process; an index of context tags that may be found in the document; and an index of at least a tag or annotation to be ignored during the phrase matching process, wherein the query-independent indices were created by a method including: a) labeling elements in the document with intervals, wherein: a1) for markup tags. the intervals are defined in terms of a starting index number associated with an opening markup tag and an ending index number associated with a closing markup tag that corresponds to the opening markup tag, and a2) for single words, the intervals are defined in terms of a single index number associated with the word and b) forming the query-independent indices so that they are configured to be used in

the searching method by first receiving, for a word or tag in the document, a position in the document, and by then indicating that the word or tag is present or not present at that position wherein the step of deriving the query-specific indices involves deriving ,the query-specific indices from the query-independent indices without rebuilding any of the query-independent indices; and carrying out the phrase matching process using the query-specific indices on the document having the nested-structure document-specific markup.

Art Unit: 2166

Contact Information

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Leon J. Harper whose telephone number is 571-272-0759. The examiner can normally be reached on 7:30AM - 4:00Pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Hosain T. Alam can be reached on 571-272-3978. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

LJH
Leon J. Harper
November 11, 2007

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SUPERVISORY PATENT EXAMINER